

Set	Items	Description
?		
S		DSRNA NEAR PHAGE? OR DS NEAR RNA NEAR PHAGE? OR DSRNA NEAR BACTERIOPHAGE? OR DOUBL
	0	DSRNA NEAR PHAGE?
	0	DS NEAR RNA NEAR PHAGE?
	0	DSRNA NEAR BACTERIOPHAGE?
	0	DOUBLE NEAR STRAND? NEAR RNA NEAR BACTERIOPHAG
S1	0	DSRNA NEAR PHAGE? OR DS NEAR RNA NEAR PHAGE? OR DSRNA NEAR BACTERIOPHAGE? OR DOUBLE NEAR STRAND? NEAR RNA NEAR BACTERIOPHAGE?
?		
S		DSRNA
	S2 40535	DSRNA
?		
DSRNA (N) PHAGE? OR DS (N) RNA (N) PHAGE? OR DSRNA (N) BACTERIOPHAGE? OR DOUBLE (N)		
>>>invalid parameter		
?		
S DSRNA (N) PHAGE? OR DS (N) RNA (N) PHAGE? OR DSRNA (N) BACTERIOPHAGE? OR DOUBLE (N)		
Processing		
Processed 10 of 39 files ...		
Completed processing all files		
	40535	DSRNA
	286800	PHAGE?
	24	DSRNA(N) PHAGE?
	106120	DS
	3603261	RNA
	286800	PHAGE?
	9	DS (N) RNA (N) PHAGE?
	40535	DSRNA
	227620	BACTERIOPHAGE?
	263	DSRNA(N) BACTERIOPHAGE?
	2522804	DOUBLE
	1247780	STRAND?
	3603261	RNA
	227620	BACTERIOPHAGE?
	422	DOUBLE (N) STRAND? (N) RNA (N) BACTERIOPHAGE?
S3	668	DSRNA (N) PHAGE? OR DS (N) RNA (N) PHAGE? OR DSRNA (N) BACTERIOPHAGE? OR DOUBLE (N) STRAND? (N) RNA (N) BACTERIOPHAGE?
?		
S S3 AND (IRES OR CAP (N) INDEPENDENT (N) TRANSLATION (N) ENHANCER?)		
	668	S3
	12109	IRES
	189130	CAP
	2597956	INDEPENDENT
	467318	TRANSLATION
	271144	ENHANCER?
	25	CAP (N) INDEPENDENT (N) TRANSLATION (N) ENHANCER?
S4	3	S3 AND (IRES OR CAP (N) INDEPENDENT (N) TRANSLATION (N) ENHANCER?)
?		

Display 4/3/1 (Item 1 from file: 399)

DIALOG(R) File 399:CA SEARCH(R)

(c) 2005 American Chemical Society. All rts. reserv.

**141034658 CA: 141(3)34658r PATENT**

**Recombinant double-stranded RNA phage expression transgene with a cap independent translation enhancer (CITE) sequence**

LOCATION: USA

ASSIGNEE: Aeras Global Tuberculosis Vaccine Foundation

PATENT: PCT International ; WO 200450829 A2 DATE: 20040617

APPLICATION: WO 2003US24019 (20030801) \*US PV404806 (20020820)

PAGES: 73 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE;

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**Display 4/3/1 (Item 1 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

- end of record -

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**Display 4/3/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

(c) 2005 American Chemical Society. All rts. reserv.

**140212045 CA: 140(14)212045c PATENT**

**Construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof**

INVENTOR(AUTHOR): Hone, David

LOCATION: USA

ASSIGNEE: University of Maryland Biotechnology Institute Off. of Research Admin./Tech. Dev.

PATENT: PCT International ; WO 200418630 A2 DATE: 20040304

APPLICATION: WO 2003US26200 (20030820) \*US PV404806 (20020820)

PAGES: 55 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU;

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**Display 4/3/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

- end of record -

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Display 4/3/3 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2005 Thomson Derwent & ISI. All rts. reserv.

0344477 DBR Accession No.: 2004-16769 PATENT

**Recombinant double-stranded RNA phage, useful for expressing genetic sequences (e.g. sequences encoding bioactive proteins, antigens, or antisense RNAs) in eukaryotic cells, comprises a cap independent translation enhancer (CITE) - plasmid-mediated antigen, toxin, antisense RNA or immunogen gene transfer for use in anthrax or tuberculosis nucleic acid vaccine and gene therapy**

PATENT ASSIGNEE: AERAS GLOBAL TUBERCULOSIS VACCINE FOUND 2004

PATENT NUMBER: WO 200450829 PATENT DATE: 20040617 WPI ACCESSION NO.: 2004-461108 (200443)

PRIORITY APPLIC. NO.: US 404806 APPLIC. DATE: 20020820

NATIONAL APPLIC. NO.: WO 2003US24019 APPLIC. DATE: 20030801

LANGUAGE: English

- end of record -

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Display 4/9/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2005 American Chemical Society. All rts. reserv.

141034658 CA: 141(3)34658r PATENT

**Recombinant double-stranded RNA phage expression transgene with a cap independent translation enhancer (CITE) sequence**

LOCATION: USA

ASSIGNEE: Aeras Global Tuberculosis Vaccine Foundation

PATENT: PCT International ; WO 200450829 A2 DATE: 20040617

APPLICATION: WO 2003US24019 (20030801) \*US PV404806 (20020820)

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DIALOG(R)File 399:CA SEARCH(R)

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SECTION:

CA203002 Biochemical Genetics

CA210XXX MICROBIAL, ALGAL, AND FUNGAL BIOCHEMISTRY

CA215XXX Immunochemistry

IDENTIFIERS: dsRNA phage eukaryote expression, independent translation enhancer CITE

DESCRIPTORS:

Vaccines...

anthrax; recombinant double-stranded RNA phage expression transgene  
with a cap independent translation enhancer (CITE) sequence

Vaccines...

antigen, dsRNA phage expression of; recombinant double-stranded RNA  
phage expression transgene with a cap independent translation enhancer  
(CITE) sequence

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**Display 4/9/1 (Item 1 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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Proteins...

bioactive, dsRNA phage expression of; recombinant double-stranded RNA  
phage expression transgene with a cap independent translation enhancer  
(CITE) sequence

Enhancer(genetic element)...

CITE (cap independent translation enhancer), dsRNA phage expressing of;  
recombinant double-stranded RNA phage expression transgene with a cap  
independent translation enhancer (CITE) sequence

Antisense RNA... Ribozymes... Cytokines...

dsRNA phage expression of; recombinant double-stranded RNA phage  
expression transgene with a cap independent translation enhancer (CITE)  
sequence

Alphavirus... Semliki Forest virus...

dsRNA phage self-amplifying expression system; recombinant  
double-stranded RNA phage expression transgene with a cap independent  
translation enhancer (CITE) sequence

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**Display 4/9/1 (Item 1 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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Bacteriophage...

dsRNA; recombinant double-stranded RNA phage expression transgene with  
a cap independent translation enhancer (CITE) sequence

Human immunodeficiency virus 1...

envelope protein; recombinant double-stranded RNA phage expression  
transgene with a cap independent translation enhancer (CITE) sequence

Glycoproteins...

gp120, HIV-1; recombinant double-stranded RNA phage expression  
transgene with a cap independent translation enhancer (CITE) sequence

Proteins...

green fluorescent, dsRNA phage expression of; recombinant  
double-stranded RNA phage expression transgene with a cap independent  
translation enhancer (CITE) sequence

Proteins...

immunoregulatory, dsRNA phage expression of; recombinant  
double-stranded RNA phage expression transgene with a cap independent

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DIALOG(R) File 399:CA SEARCH(R)

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translation enhancer (CITE) sequence

Gene,microbial...

L, CITE (cap independent translation enhancer) incorporated to;  
recombinant double-stranded RNA phage expression transgene with a cap  
independent translation enhancer (CITE) sequence

Gene,microbial...

M, CITE (cap independent translation enhancer) incorporated to;  
recombinant double-stranded RNA phage expression transgene with a cap  
independent translation enhancer (CITE) sequence

Double stranded RNA...

phage; recombinant double-stranded RNA phage expression transgene with  
a cap independent translation enhancer (CITE) sequence

Gene,microbial...

S, CITE (cap independent translation enhancer) incorporated to;  
recombinant double-stranded RNA phage expression transgene with a cap  
independent translation enhancer (CITE) sequence

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**Display 4/9/1 (Item 1 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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Vaccines...

tuberculosis; recombinant double-stranded RNA phage expression  
transgene with a cap independent translation enhancer (CITE) sequence

Tuberculosis...

vaccine; recombinant double-stranded RNA phage expression transgene  
with a cap independent translation enhancer (CITE) sequence

Antigens...

viral/bacterial/parasitic/therapeutic/autoimmune/tumor, dsRNA phage  
expression of; recombinant double-stranded RNA phage expression  
transgene with a cap independent translation enhancer (CITE) sequenc

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

(c) 2005 American Chemical Society. All rts. reserv.

**140212045 CA: 140(14)212045c PATENT**

**Construction of recombinant double-stranded RNA phages for expressing  
dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof**

INVENTOR(AUTHOR): Hone, David

LOCATION: USA

ASSIGNEE: University of Maryland Biotechnology Institute Off. of Research  
Admin./Tech. Dev.

PATENT: PCT International ; WO 200418630 A2 DATE: 20040304

APPLICATION: WO 2003US26200 (20030820) \*US PV404806 (20020820)

PAGES: 55 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-000/A

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HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV;  
MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC;  
SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU;

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ DESIGNATED REGIONAL: GH; GM; KE  
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;  
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

## SECTION:

CA203002 Biochemical Genetics

CA201XXX Pharmacology

CA215XXX Immunochemistry

IDENTIFIERS: double stranded RNA phage vector gene therapy expression  
eukaryote

## DESCRIPTORS:

Bordetella pertussis...

adenylate cyclase-hemolysins; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in  
eukaryote cells and therapeutic uses thereof

Human immunodeficiency virus... Rotavirus... Influenza virus... Human

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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herpesvirus...

antigen; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

Eukaryota...

as host; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

Antigens...

autoantigens; construction of recombinant double-stranded RNA phages  
for expressing dsRNA-encoded genes in eukaryote cells and therapeutic  
uses thereof

Transforming growth factors...

.beta.-; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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Hemolysins...

Bordetella pertussis; construction of recombinant double-stranded RNA  
phages for expressing dsRNA-encoded genes in eukaryote cells and  
therapeutic uses thereof

Human immunodeficiency virus 1... CD4(antigen)...

chimeric derivs., HIV-1-CD4; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in  
eukaryote cells and therapeutic uses thereof

Envelope proteins...

chimeric Env-CD4; construction of recombinant double-stranded RNA  
phages for expressing dsRNA-encoded genes in eukaryote cells and

therapeutic uses thereof

Toxins...

cholera, A subunit; construction of recombinant double-stranded RNA  
phages for expressing dsRNA-encoded genes in eukaryote cells and  
therapeutic uses thereof

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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Alphavirus... Antigens... Gene therapy... Cytokines... Chemokines...  
Immunomodulators... Orthomyxovirus... Retroviridae... Herpesviridae...  
Lentivirus... Rhabdoviridae... Picornaviridae... Poxviridae... Parvovirus  
... nef protein... Rev protein... Drugs... Prostate-specific antigen...  
Carcinoembryonic antigen... Interleukin 4... Interleukin 5... Interleukin 6  
... Interleukin 10... Molecular cloning... Tumor necrosis factors...  
Protein sequences... DNA sequences... Genetic vectors... Vaccines...  
construction of recombinant double-stranded RNA phages for expressing  
dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof  
T cell(lymphocyte)... B cell(lymphocyte)...  
epitopes gp120; construction of recombinant double-stranded RNA phages  
for expressing dsRNA-encoded genes in eukaryote cells and therapeutic  
uses thereof  
Genetic element...  
eukaryotic expression cassette; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in

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**Display 4/9/2 (Item 2 from file: 399)**

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eukaryote cells and therapeutic uses thereof

Toxins...

exotoxins, ADP-ribosylating; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in  
eukaryote cells and therapeutic uses thereof

Glycoproteins...

gp120, chimeric gp120-CD4; construction of recombinant double-stranded  
RNA phages for expressing dsRNA-encoded genes in eukaryote cells and  
therapeutic uses thereof

Proteins...

green fluorescent; construction of recombinant double-stranded RNA  
phages for expressing dsRNA-encoded genes in eukaryote cells and  
therapeutic uses thereof

Antigens...

hepatitis B surface; construction of recombinant double-stranded RNA  
phages for expressing dsRNA-encoded genes in eukaryote cells and

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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therapeutic uses thereof

Interleukin 12...

IL-12p40, IL-12p70; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Drug delivery systems...

injections, i.m.; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Drug delivery systems...

injections, i.p.; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Drug delivery systems...

injections, i.v.; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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therapeutic uses thereof

Genetic element...

IRES (internal ribosomal entry site) element; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Gene,microbial...

L; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Gene,microbial...

M; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Antigens...

MAGE-1 (melanoma-assocd. antigen 1); construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in

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DIALOG(R)File 399:CA SEARCH(R)

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eukaryote cells and therapeutic uses thereof

Animal cell...

mammalian, as host; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Drug delivery systems...

nasal; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Drug delivery systems...

oral; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Toxins...

pertussis, S1 subunit; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and



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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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therapeutic uses thereof

Double stranded RNA...

phage; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

Bacteriophage...

Phi-6, Phi-8, Phi-13, double-stranded RNA; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in  
eukaryote cells and therapeutic uses thereof

Plasmid vectors...

pIRES2-EGFP, pCITE4a, pSVIRES-N; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in  
eukaryote cells and therapeutic uses thereof

Gene, microbial...

pol, protein; construction of recombinant double-stranded RNA phages  
for expressing dsRNA-encoded genes in eukaryote cells and therapeutic

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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uses thereof

Plasmids...

pPV; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

Virus... Eubacteria... Parasite...

protein; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

Gene, microbial...

S; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses  
thereof

Proteins...

S-Tag; construction of recombinant double-stranded RNA phages for  
expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R) File 399:CA SEARCH(R)

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thereof

Transcription factors...

tat, Tat-.DELTA.31-45 mutant; construction of recombinant  
double-stranded RNA phages for expressing dsRNA-encoded genes in  
eukaryote cells and therapeutic uses thereof

Drug delivery systems...

transdermal; construction of recombinant double-stranded RNA phages for

expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

Antigens...

tumor-assocd.; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

CAS REGISTRY NUMBERS:

480049-99-8 480050-00-8 487898-76-0 487898-77-1 480047-62-9 amino acid sequence; construction of recombinant double-stranded RNA phages for

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**Display 4/9/2 (Item 2 from file: 399)**

DIALOG(R)File 399:CA SEARCH(R)

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expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

9012-42-4P Bordetella pertussis; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

9073-60-3 9002-10-2P 62213-36-9 construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

37205-63-3P H+-, mitochondrial, .beta. subunit; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

186219-32-9 235739-85-2 194447-02-4 195648-79-4 194194-38-2 nucleotide sequence; construction of recombinant double-stranded RNA phages for expressing dsRNA-encoded genes in eukaryote cells and therapeutic uses thereof

- end of record -

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**Display 4/9/3 (Item 1 from file: 357)**

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2005 Thomson Derwent & ISI. All rts. reserv.

0344477 DBR Accession No.: 2004-16769 PATENT

**Recombinant double-stranded RNA phage, useful for expressing genetic sequences (e.g. sequences encoding bioactive proteins, antigens, or antisense RNAs) in eukaryotic cells, comprises a cap independent translation enhancer (CITE) - plasmid-mediated antigen, toxin, antisense RNA or immunogen gene transfer for use in anthrax or tuberculosis nucleic acid vaccine and gene therapy**

PATENT ASSIGNEE: AERAS GLOBAL TUBERCULOSIS VACCINE FOUND 2004

PATENT NUMBER: WO 200450829 PATENT DATE: 20040617 WPI ACCESSION NO.: 2004-461108 (200443)

PRIORITY APPLIC. NO.: US 404806 APPLIC. DATE: 20020820

NATIONAL APPLIC. NO.: WO 2003US24019 APPLIC. DATE: 20030801

LANGUAGE: English

ABSTRACT: DERWENT ABSTRACT: NOVELTY - A double-stranded RNA (dsRNA) phage (dsRP) (I) expressing at least one genetic sequence in eukaryotic

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**Display 4/9/3 (Item 1 from file: 357)**

DIALOG(R)File 357:Derwent Biotech Res.

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cells, comprising a cap independent translation enhancer (CITE) (also known as an internal ribosome entry site (IRES)) and at least one genetic sequence that is expressed in a eukaryotic cell, where the CITE and the genetic sequence(s) are functionally linked and are incorporated into one or more dsRNA segments in the dsRNA, is new. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for: (1) a live bacterium comprising (I); (2) immunizing (M1) a subject by infecting the subject with the bacterium of (1) where the phage harbored by the bacterium expresses at least one immunogen; (3) vaccinating (M2) an animal by pulsing dendritic cells with phage (I), and injecting the cells into an animal; (4) an anthrax vaccine comprising a live bacterium containing a phage (I) that expresses Bacillus anthrax lethal factor; and (5) a tuberculosis vaccine comprising a live bacterium containing a phage (I) that expresses a tuberculosis antigen. BIOTECHNOLOGY - Preferred Phage: In (I), the genetic sequence(s) encode a vaccine antigen, bioactive protein,

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Display 4/9/3 (Item 1 from file: 357)

DIALOG(R) File 357:Derwent Biotech Res.

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immunoregulatory protein, antisense RNA, catalytic RNA, immunogen, or an immunogen and a cytokine. The immunogen is viral, bacterial, parasitic. The immunogen may be a therapeutic agent, an autoimmune antigen, tumor antigen or tumor specific antigen. The genetic sequence(s) may comprise a sequence encoding green fluorescent protein. The CITE and the genetic sequence are incorporated into an L segment, M segment or S segment. The dsRNA is a prokaryotic virus. (I) further comprises an alpha-virus self-amplifying expression system, which is based on Semliki forest virus. In the anthrax and tuberculosis vaccines the genetic sequence(s) are downstream of the cap independent translation enhancer (CITE) and the vaccine further comprises an adjuvant. Preferred Method: In M1, the immunogen is endogenous or foreign to the subject. The immunogen is viral, bacterial, or parasitic. The genetic sequence(s) encode at least one cytokine. ACTIVITY - Antibacterial; Antiparasitic; Antitubercular; Cytostatic; Immunostimulant; Immunosuppressive; Tuberculostatic; Virucide.

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E AU=HONE, DAVID

Ref	Items	Index-term
E1	15	AU=HONE, DANIEL W.
E2	1	AU=HONE, DANIEL WARREN
E3	23	*AU=HONE, DAVID
E4	6	AU=HONE, DAVID M
E5	34	AU=HONE, DAVID M.
E6	2	AU=HONE, DAVID MICHAEL
E7	1	AU=HONE, DAVID NEAL
E8	1	AU=HONE, DAVID W.
E9	1	AU=HONE, DAVID W.E.
E10	1	AU=HONE, DAVIEL
E11	20	AU=HONE, DM
E12	5	AU=HONE, DM*

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Ref	Items	Index-term
E1	1	AU=HONE D-B
E2	7	AU=HONE DANIEL W
E3	28	*AU=HONE DAVID
E4	91	AU=HONE DAVID M
E5	3	AU=HONE DAVID W E
E6	5	AU=HONE DC
E7	2	AU=HONE DEVON E
E8	40	AU=HONE DM
E9	1	AU=HONE DUNCAN
E10	25	AU=HONE DW
E11	2	AU=HONE DWE
E12	28	AU=HONE E

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S E3  
S5 28 AU='HONE DAVID'

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S S5 AND DSRNA  
28 S5  
40535 DSRNA  
S6 0 S5 AND DSRNA

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Ref	Items	Index-term
E1	1	AU=HONE D-B
E2	7	AU=HONE DANIEL W
E3	28	*AU=HONE DAVID
E4	91	AU=HONE DAVID M
E5	3	AU=HONE DAVID W E
E6	5	AU=HONE DC
E7	2	AU=HONE DEVON E
E8	40	AU=HONE DM
E9	1	AU=HONE DUNCAN
E10	25	AU=HONE DW
E11	2	AU=HONE DWE
E12	28	AU=HONE E

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S E4

S1 91 AU='HONE DAVID M'

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S S1 AND (PHAGE OR BACTERIOPHAGE?)

91 S1

261454 PHAGE

227620 BACTERIOPHAGE?

S2 0 S1 AND (PHAGE OR BACTERIOPHAGE?)

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Set	Items	Description
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Cost is in DialUnits		
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